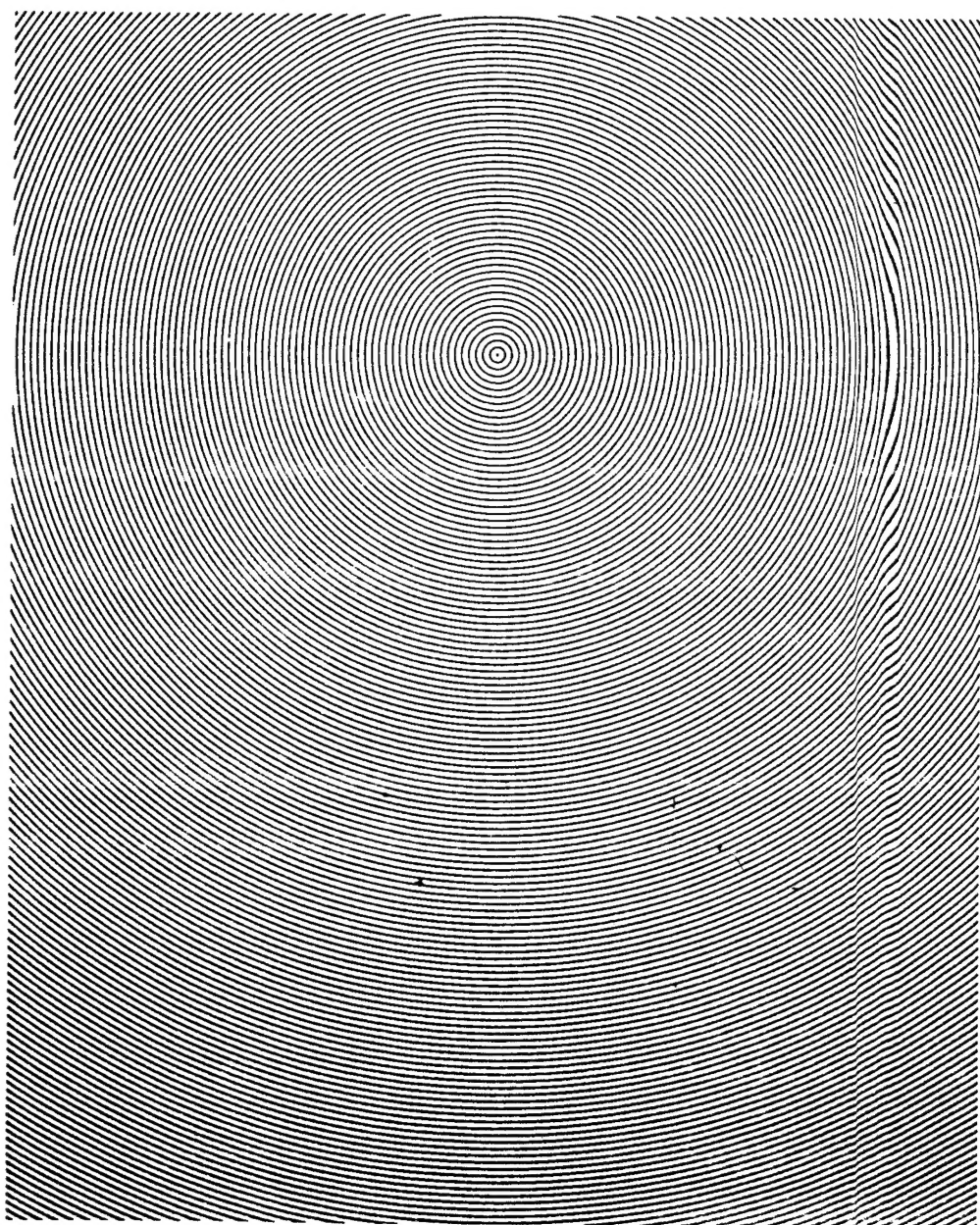


UHER

**Verstärker
VG 20/VG 30**

Service manual



TECHNISCHE DATEN

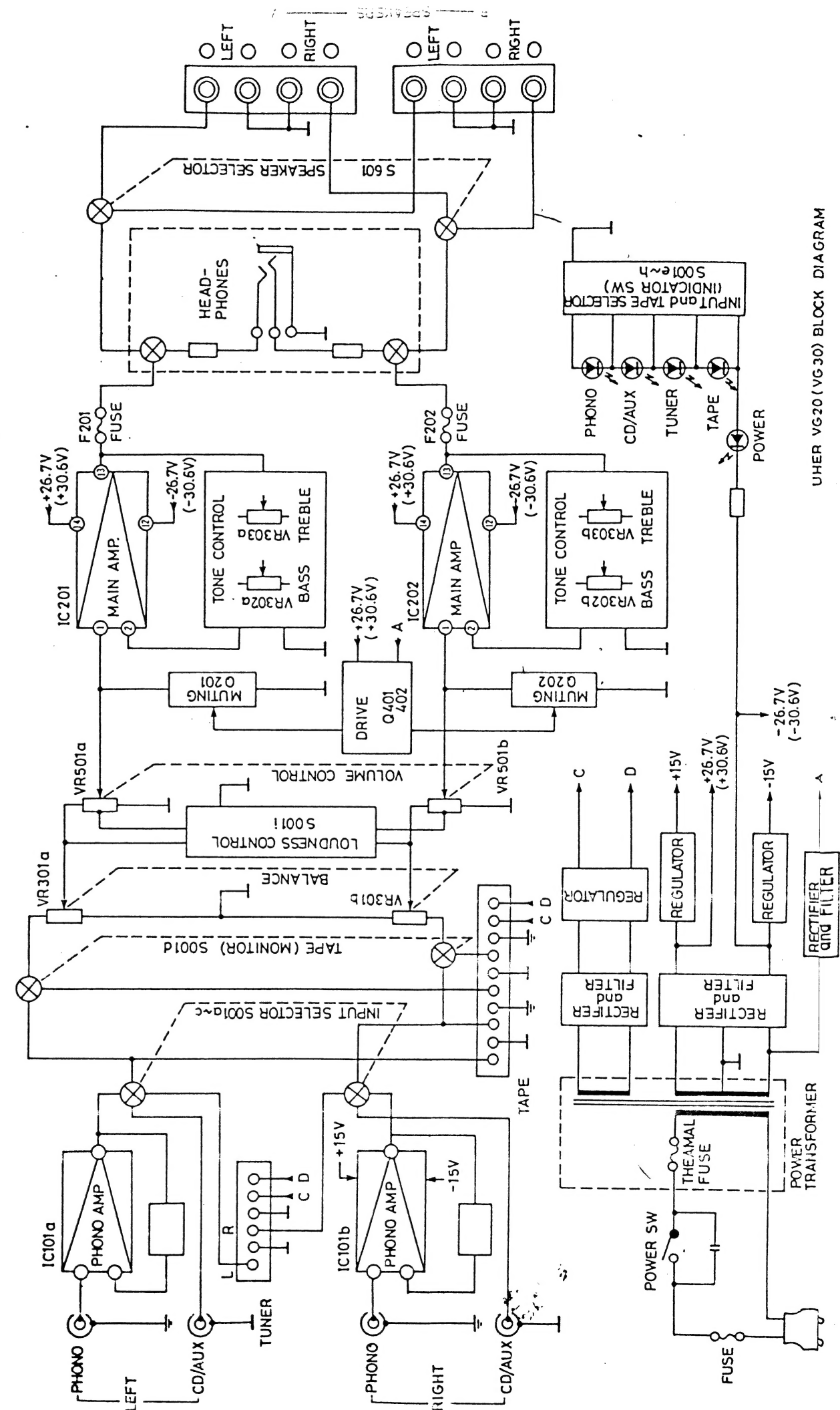
Intermodulationsverzerrung (70 Hz : 7 kHz = 4 : 1)	Weniger als 0,9% bei 10 W an 4 Ohm
Restrauschen	0,5 mV
Dämpfungsfaktor	20 (4 Ohm) 40 (8 Ohm)
Eingangsempfindlichkeit/ Impedanz	
Phono	2,5 mV/50 kOhm
AUX	150 mV/50 kOhm
TAPE	150 mV/50 kOhm
Max. Eingangspegel	
Phono	150 mV
Geräuschspannungs- abstand (IHF, A)	
Phono	80 dB
Tuner, AUX, Tape	92 dB
Frequenzumfang	
Phono	Standard RIAA-Kurve ±1 dB 40 Hz – 20 kHz
Tuner, AUX, Tape	20 Hz – 25 kHz, ±3 dB
Klangregelung	
Baß	±8 dB bei 100 Hz
Höhen	±8 dB bei 10 kHz
Gehörrichtige Laut- stärkekontur	+6 dB bei 100 Hz, (–30 dB)
(–30 dB)	+6 dB bei 10 kHz
Lautsprecherimpedanz	4 Ohm

SPECIFICATIONS

Intermodulation Distortion (70 Hz : 7 kHz = 4 : 1)	Less than 0.9% at 10 watts into 4 ohms
Residual Noise	0.5 mV
Damping Factor	20 (4 ohms) 40 (8 ohms)
ut Sensitivity/Impedance	
Phono	2.5 mV/50 k ohms
AUX	150 mV/50 k ohms
TAPE	150 mV/50 k ohms
Maximum Input Level	
Phono	150 mV
Signal-to-Noise Ratio (IHF, A)	
Phono	80 dB
Tuner, AUX, Tape	92 dB
Frequency Response	
Phono	RIAA standard curve ±1 dB 40 Hz – 20 kHz
Tuner, AUX, Tape	20 Hz – 25 kHz, ±3 dB
Tone Control	
Bass	±8 dB at 100 Hz
Treble	±8 dB at 10 kHz
Loudness Control	+6 dB at 100 Hz (–30 dB Volume Level)
(–30 dB Volume Level)	+6 dB at 10 kHz
Speaker Impedance	4 ohms

ALLGEMEINES	
Leistungsaufnahme	140 Watt (VG20) 200 Watt (VG30)
Netzspannung	220 V Wechselstrom, 50 Hz
Abmessungen	421(B) × 240(T) × 79(H) mm
Nettogewicht (Ca.)	3.5 Kg (VG20) 3.6 Kg (VG30)
Änderungen der technischen Daten und des Designs bleiben ohne Ankündigung vorbehalten.	

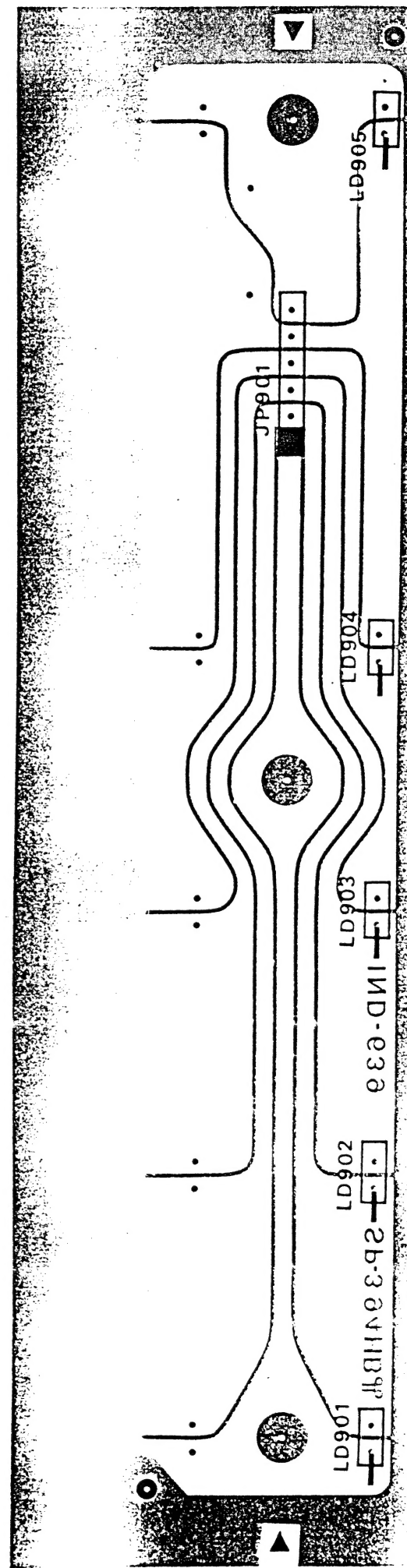
GENERAL	
Power Consumption	140 Watts (VG20) 200 Watts (VG30)
Power Supply	AC 220 V 50 Hz
Dimensions	421(W) × 240(D) × 79(H) mm
Net weight (approx.)	3.5 kg (VG20) 3.6 kg (VG30)
Specifications and design are subject to change without notice.	



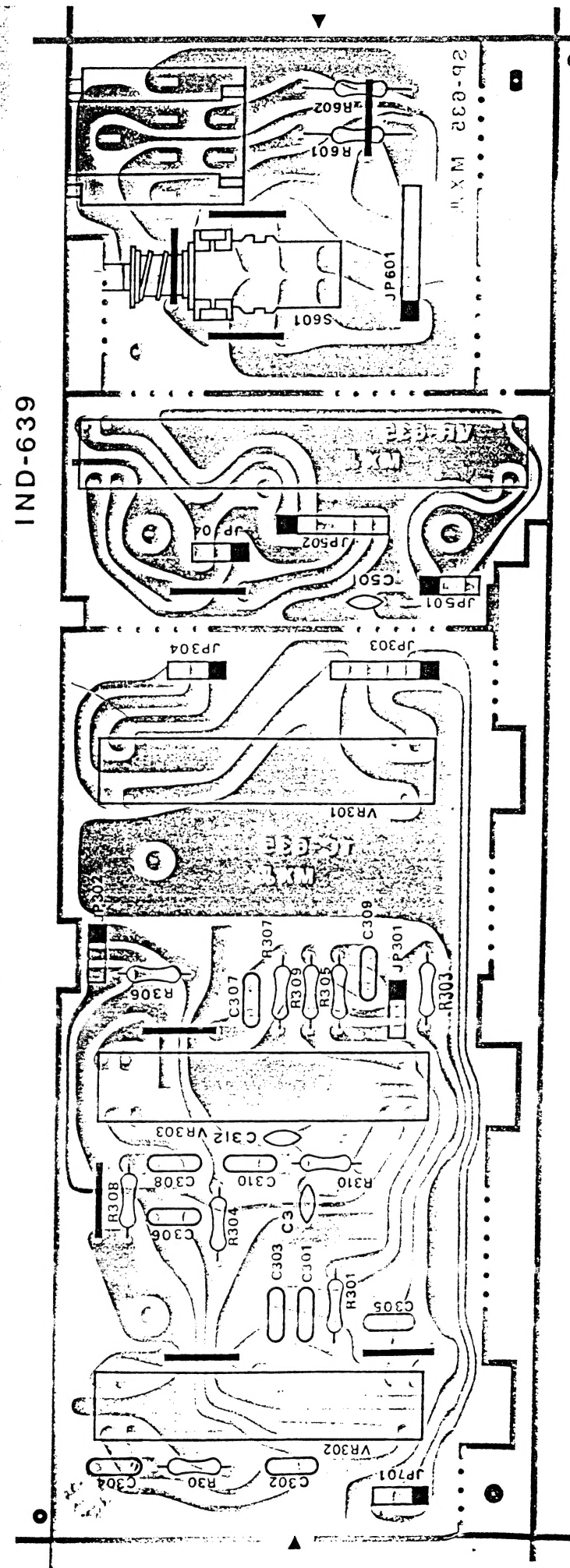
Exploded View's Parts List (VG20/VG30)

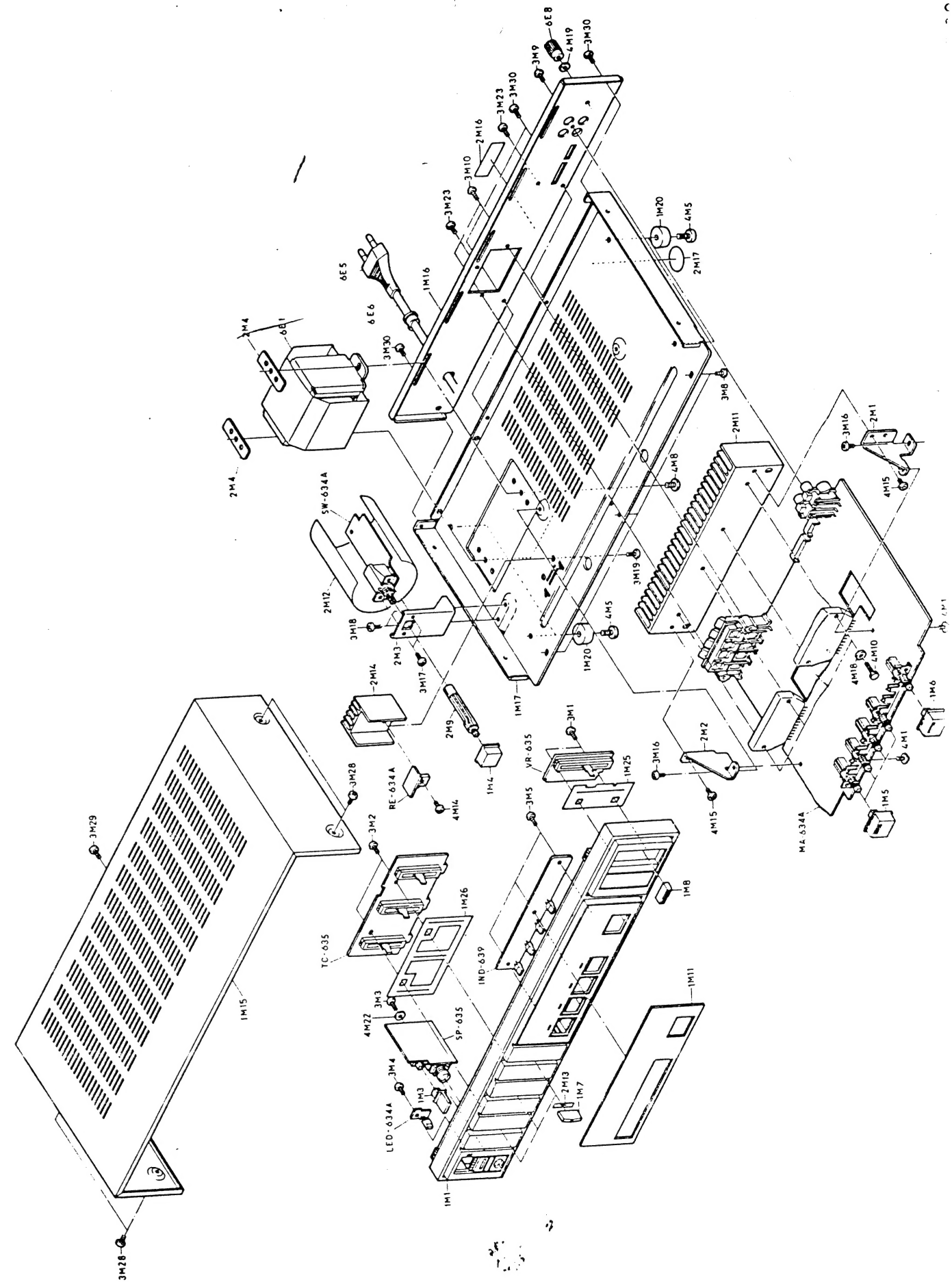
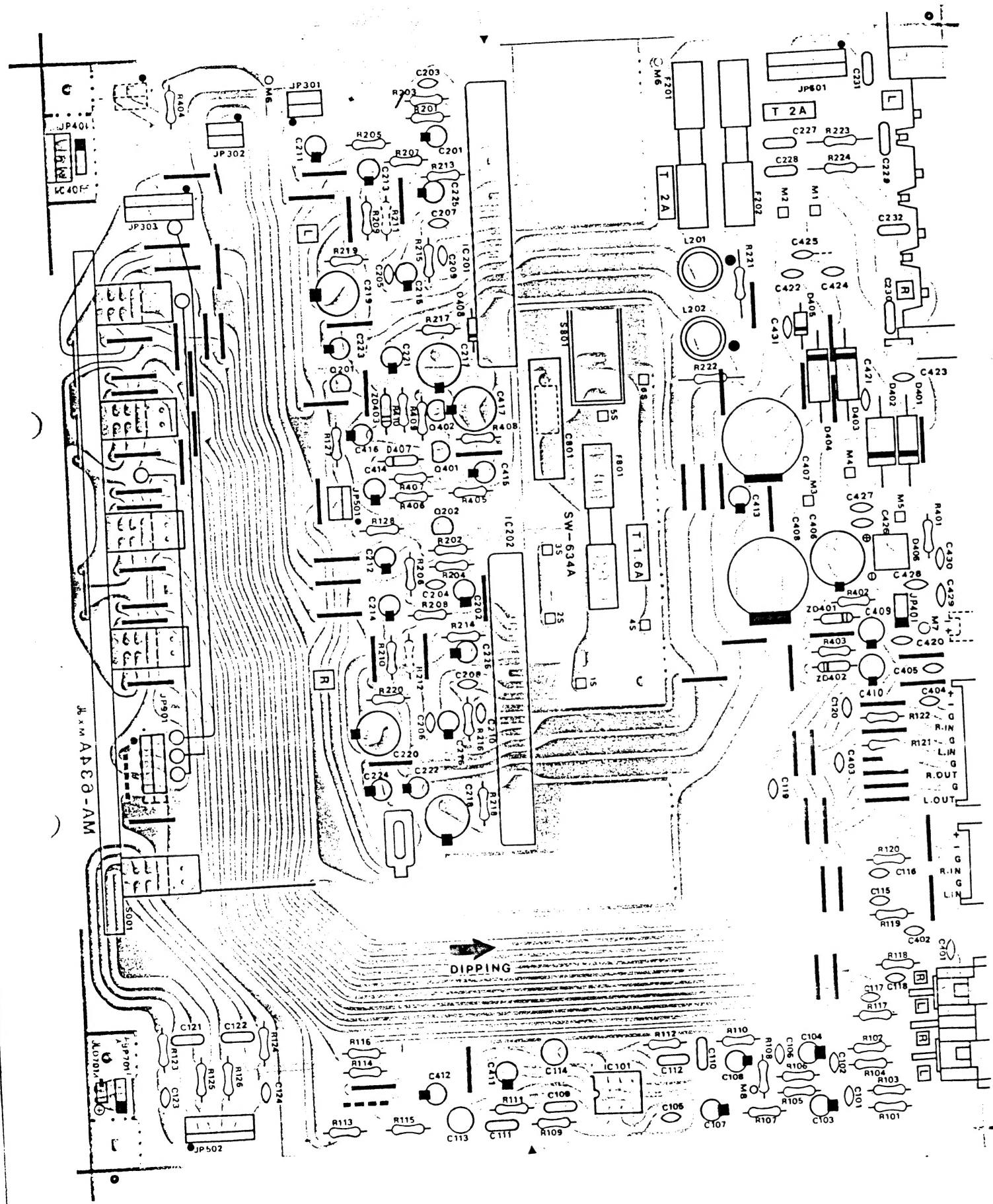
• (2): VG20
• (3): VG30

Ref. No.	Q'ty	Part No.	Description
1M 1	1	N10380-1	Front Panel
1M 3	1	N42326-S	Push Button
1M 4	1	N43866-BK	Push Button
1M 5	4	N44453 BK C	Push Button
1M 6	1	N44453 BK BU	Push Button
1M 7	3	N44454 BK-R	Slide Knob
1M 8	1	N44455 BK-R	Slide Knob
1M11	1	N30867-1	Display Window
1M11	1	N30867-3	Display Window
1M15	1	N21320	Cabinet
1M15	1	N21341	Cabinet
1M16	1	N21322-1A	Rear Panel
1M16	1	N21340-1	Rear Panel
1M17	1	N10381	Bottom Chassis
1M17	1	N10394	Bottom Chassis
1M20	4	N0.7102	Foot
1M25	1	N44515	Volume Cloth
1M26	1	N44530	Volume Cloth, 3
2M 1	1	N44456	Fittings R (Heat Sink)
2M 2	1	N44457	Fittings L (Heat Sink)
2M 3	1	N44458	Fittings (Switch)
2M 4	2	N42722	Fittings (P.T.)
2M 5	1	N30882	Support Chassis (P.T.)
2M 6	1	N44553	Metal Plate
2M 9	1	N44357	Knob Shaft
2M10	1	N30880-10	Heat Sink
2M11	1	N30866A-50	Heat Sink
2M12	1	N44516	Insulation Cover
2M13	4	N44243	Tape, Double Faced
2M14	1	N44522-40BK	Heat Sink
2M15	2	N44558	Spacer
2M16	3	SL 1024	Label, Serial No.
2M17	1	N41386	Label, Passed
2M18	2	N41853-252	Label, Fuse
2M19	1	N41853-202	Label, Fuse
2M20	1	OM-596A	Instruction Manual
2M21	1	N41318-1	Polyethylene Bag
2M22	1	N40487	Polyethylene Bag (Accessories)
2M24	2	N21324	Packing Pad
2M27	1	N44459	Shipping Carton
2M27	1	N44496	Shipping Carton
2M28	1	N44559	Packing Pad (Cabi)
2M29	1	N44560	Packing Pad (Bottom)
3M 1	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 2	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 3	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 4	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 5	3	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 8	3	TPM+30X08-B	Tap Screw P, Round Head, B
3M 9	1	TPM+30X10-B	Tap Screw P, Round Head, B
3M10	2	TPM+30X10-B	Tap Screw P, Round Head, B
3M16	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M17	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M18	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M19	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M20	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M23	2	TSB+30X10-N	Tap Screw S, Bind Head, N
3M26	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M27	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M28	4	TSB+30X08-B	Tap Screw S, Bind Head, B
3M29	1	TSB+30X08-B	Tap Screw S, Bind Head, B
3M30	4	TSB+30X08-B	Tap Screw S, Bind Head, B
4M 1	2	TSC+30X08-Y	Tap Screw S, Washer Faced, Y
4M 5	4	TSB+40X10-Y	Tap Screw S, Bind Head, Y
4M 8	2	TST+40X08-N	Tap Screw S, Truss, N
4M 8	4	SSB+40X40-Y	Screw, Bind Head, Y
4M10	4	ZP+STR26X16-2Y	Tap Screw, Pan Head, Y
4M13	3	TBB+30X08-B	Tap Screw B, Bind Head, B
4M14	1	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M15	2	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M16	4	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M18	4	2AWX0826-05-Y	Plain Washer, Y
4M19	1	2AWX0830-05-N	Plain Washer, N
4M22	1	2AWX1230-08-Y	Plain Washer, Y
6E 1	1	NPT-2065S	Power Transformer
6E 1	1	NPT-2075S	Power Transformer
6E 5	1	ACC-005D3-4EC1	Line Cord
6E 6	1	SR-3P4	Cord Stopper
6E 8	1	UB-0027	Binding Post
	1	38A1P01A	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P01C	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P02A	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P02C	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P03A	P.C. Board Ass'y (IND-639)
	1	38A1P03C	P.C. Board Ass'y (IND-639)



IND-639





MA-634Aシルク